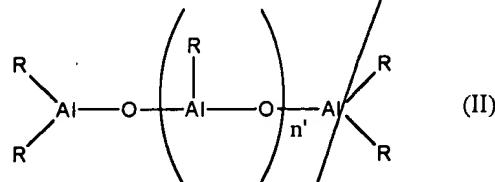


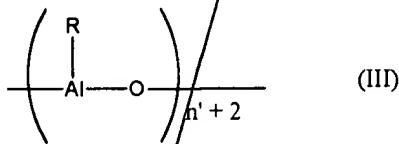
to at least two polyolefins of different melting points, wherein the melting points of the polyolefins must differ by at least 5° C, and wherein the polymerization is carried out at a temperature of from -60 to 200°C, and a pressure of from 0.5 to 100 bar, in solution, in suspension or in the gas phase, in the presence of a catalyst, wherein the catalyst comprises

(A) at least two racemic or s-symmetric metallocenes as transition-metal components and an aluminoxane of the formula II

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ID*



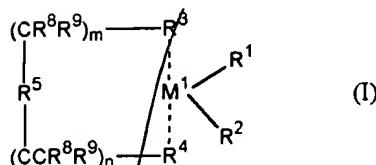
and/or of the formula III



where in the formulae II and III, the radicals R may be identical or different are a C₁-C₆-alkyl group, a C₁-C₆-fluoroalkyl group, a C₆-C₁₈-aryl group, a C₆-C₁₈-fluoroaryl group or hydrogen, and n' is an integer from 0 to 50, and the aluminoxane component may additionally contain a compound of the formula AlR₃, or

(B) at least two racemic or s-symmetric metallocenes as transition-metal components and a salt-like compound of the formula R_xNH_{4-x} or of the formula R₃PHBR'₄ wherein x is 1, 2 or 3, R is identical or different and is alkyl or aryl, and R' is aryl, which may also be fluorinated or partly fluorinated,

where the transition-metal component used comprises at least two metallocenes of the formula I:



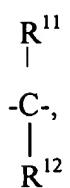
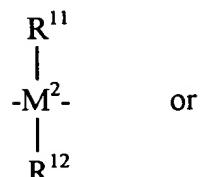
in which

M¹ is Zr or Hf,

R¹ and R² are identical or different and are a hydrogen atom, a C₁-C₁₀- alkyl group, a C₁-C₁₀-alkoxy group, a C₆-C₁₀-aryl group, a C₆-C₁₀-aryloxy group, a C₂-C₁₀-alkenyl group, a C₇-C₄₀-arylalkyl group, a C₇-C₄₀-alkylaryl group, a C₈-C₄₀-arylalkenyl group, or a halogen atom,

R³ and R⁴ are identical or different and are indenyl, cyclopentadienyl or fluorenyl which are optionally substituted with substituents as defined for R¹¹ and R¹² and where the substituents are identical or different or form together with the atoms connecting them a ring,

R⁵ is



where R¹¹ and R¹² are identical or different and are a hydrogen atom, a halogen atom, a C₁-C₁₀-alkyl group, a C₁-C₁₀-fluoroalkyl group, a C₆-C₁₀-aryl group, a C₆-C₁₀-fluoraryl group, a C₁-C₁₀-alkoxy group, a C₂-C₁₀-alkenyl group, a C₇-C₄₀-arylalkyl group, a C₈-C₄₀-arylalkenyl group or a C₇-C₄₀-alkylaryl group, or R¹¹ and R¹² together with the atoms connecting them, form a ring,

M² is silicon or germanium,

CH 308 LF
R⁸ and R⁹ are identical or different and are as defined for R¹¹ and
m and n are identical or different and are zero or 1 and wherein for at least one of the at
least two metallocenes R³ is a substituted indenyl or an optionally substituted fluorenyl.

HF
18. The process as claimed in claim 17, wherein the process comprises the direct
polymerization of propylene or copolymerization of propylene with an olefin selected from
the group consisting of ethylene, 1-butylene, 1-hexene, 4-methyl-1-pentene, 1-octene and
mixtures thereof.

HF 3
24. The process as claimed in claim 17, wherein R¹ and R² are identical or different and are a
hydrogen atom, a C₁-C₃- alkyl group, a C₁-C₃-alkoxy group, a C₆-C₈-aryl group, a C₆-C₈-
aryloxy group, a C₂-C₄-alkenyl group, a C₇-C₁₀-arylalkyl group, a C₇-C₁₂-alkylaryl group,
a C₈-C₁₂-arylalkenyl group, or chlorine R¹¹, R¹² and R¹³ are identical or different and are a
hydrogen atom, a C₁-C₄- alkyl group, CF₃ group, a C₁-C₄-alkoxy group, a C₆-C₈-aryl
group, pentafluorophenyl group, a C₂-C₄-alkenyl group, a C₇-C₁₀-arylalkyl group, a C₇-
C₁₂-alkylaryl group or a C₈-C₁₂-arylalkenyl.

Please see Appendix I for the changes made to the claims. Terms underlined have been added.
Terms bracketed have been deleted.

Please add the following new claim:

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- -32. The process as claimed in claim 17, wherein the composition is characterized by a broad
melting range. - -

REMARKS

The applicants respectfully request reconsideration in view of the amendment and the
following remarks. Support for newly added claim 32, can be found in the original claim 17. The
applicants have amended the claims as suggested by the Examiner in order to overcome the 35
U.S.C. §112 rejections.

Claim 30 was rejected was rejected under 35 U.S.C. §112, first paragraph. Claims 15, 17-
19, 21-25 and 27-31 were rejected under 35 U.S.C. §112, first paragraph. Claims 15, 17-19, 21-